

- Orchestes niger* Horn.—“Ill., Mich. Penn.” Also S. Carolina, (Morrison), and Vanc. Is. (Victoria), Wickham.
- Euclyptus testaceus* Dietz.—Described from a unique female from “Buffalo, N. Y.” A number of specimens have been taken at Sandy Hook, N. J., by Mr. Julich.
- Macrops interpunctatulus* Dietz.—“Kans., Tex., Neb.” Also Mont. (Glendive), Wickham.
- Macrops Ulkei* Dietz.—“Dak., Tex., Wyo., N. B.” Also Neb., (McCook) and Mont. (Helena), Wickham.
- Macrops tenebrosus*, Dietz.—“Mont., Dak., Wyo.” Also Neb. (Lincoln), Wickham.
- Macrops montanus* Dietz.—“Ill., Kans., Nev., Dak., Mont.” Also Col. (Greely), Wickham.
- Macrops obscurellus* Dietz.—“Tex., D. C.” Also Mont. (Missoula), Wickham.
- Macrops vittaticollis* Dietz.—“Wyo., Neb.” A specimen labeled Utah received some years ago from the late Capt. R. H. Murdoch.
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NOTES ON ONITICELLUS, SERV.

By G. W. J. ANGELL.

Oniticellus californicus Horn. This interesting species was described by Dr. Horn (Trans. Amer. Entom. Soc. Vol. x, page 118) from a unique pair in the cabinet of Mr. Henry Edwards. These specimens were obtained at the base of Mount Shasta, California. No further specimens of this species were captured until last season, when a few pairs were taken, by Mr. C. J. Weidt, in the desert region of south-western Utah. From him I have gathered the following interesting notes: The first specimen was found late in March hibernating under a stone near the Virgin River, but a most careful search failed to reveal other specimens at that time. Towards the end of April, a male and female were found in horse-dung and on the following days several more specimens were taken, some eighteen or twenty examples in all. Mr. Weidt informs me, that these insects seem to prefer the fresh droppings, that is when from two to three hours old, none being found on the mornings following, when the droppings had become quite dry. As this region contains but few

cattle and is certainly but little travelled, the query arises, as to where these insects find a sufficiency of their necessary food.

Oniticellus cubiensis *Duval*. Some years since I received a single specimen of this insect, from the late H. K. Morrison, collected by him in Key West, Florida. This species, common in the West Indies, has probably obtained a foot-hold in Southern Florida and should be added to our list. The specimen mentioned above is now in Dr. Horn's cabinet.

SOME INJURIOUS INSECTS OF THE ORCHARD AND GARDEN.

BY MARY TREAT, VINELAND, N. J.

Insects are everywhere and their food is almost everything that one can think of in the world. But those who try to grow fruits and flowers are more interested in the pernicious creatures that live in our orchards and gardens. In the orchard no part of a tree is exempt from the attacks of the numerous and various insects whose existence depends in a great measure upon our labor in making the trees grow to support them. We find them feeding upon the bark, others eating into the solid wood, and some live upon the leaves and twigs, which they devour entire, while others live upon the fruit and flowers, and dainty ones eat only the parenchyma, leaving the skeleton of the leaf intact, and still more tiny ones find ample room for homes between the epidermis of the leaf when they mine and make intricate roads in every direction. In the garden, also, are untold numbers feeding upon our small fruits and vegetables. The currant borer eats the pith of the stems of our currant bushes, while the currant worm strips the leaves from both gooseberry and currant bushes, and borers attack our blackberries and raspberries. In fact, everything that we attempt to grow is hedged about with foes. In this brief article I can mention only a few of the most destructive that come under my own observation in our home grounds.

Every few years particular kinds of insects will be very abundant, and then for a time partly subside. Just now we are having an unusual visitation of the round-headed apple tree borer. (*Saperda bivittata*.) It threatens to kill our trees in spite of all our